

Response under 37 C.F.R. §1.111  
Attorney Docket No. 030932  
Serial No. 10/644,062

### **Amendments to the Claims**

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A coolant for a machine in a state of solution which does not contain a mineral oil and contains a water-soluble substance including amine and inorganic salt in which a water-soluble substance is dissolved, wherein a sodium nitrite is added as additive by an amount of not less than 0.345 weight % for preventing crevice corrosion from causing.

2. (Currently Amended) The coolant according to claim 1, wherein said wherein the water-soluble substance comprises:

a surface active agent (organic amine salt, boric acid amine salt, organic amine, organic amanoide type rust preventives), which also acts as a rust preventive,  
non-ferrous metal anticorrosive (triasol type compound),  
antiseptic agent (xylenol type compound),  
and water includes amine and inorganic salt.

3. (Currently Amended) A coolant for a machine in a state of solution comprising 0.1M  $\text{Na}_2\text{CO}_3$ , 0.01M  $\text{NaCl}$  0.1M  $\text{Na}_2\text{CO}_3$ , 0.01M  $\text{NaCl}$ , 2 weight % of coolant solution which does not contain a mineral oil and contains a water-soluble substance including amine and inorganic salt, and a sodium nitrite added as additive by an amount of not less than 0.345 weight %.

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4. (Currently Amended) A coolant for a machine in a state of solution comprising  
~~0.1M Na<sub>2</sub>CO<sub>3</sub>, 0.01M NaCl~~ 0.1M Na<sub>2</sub>CO<sub>3</sub>, 0.01M NaCl, 2 weight % of surface active agent, and  
a sodium nitrite added as additive by an amount of not less than 0.069 weight %.

5. (Currently Amended) A machining device, wherein  
a structural member of the machining device is ~~composed of a material which reacts with~~  
~~a coolant including a sodium nitrite as additive by an amount of not less than 0.345 weight % for~~  
~~preventing crevice corrosion from causing~~ formed of material including a carbon steel and is  
coated by a film for suppressing generation of crevice corrosion,  
wherein the film is formed by reaction of a sodium nitrite in a coolant to the carbon steel,  
and  
wherein the coolant contains a water-soluble substance including amine and inorganic  
salt and contains a sodium nitrite as additive by an amount of not less than 0.345 weight %.

6. (Currently Amended) The machining device according to ~~claim 3 claim 5~~, wherein  
said ~~the carbon steel material constituting the structural member is a carbon steel for constituting~~  
~~the machine structure~~ includes carbon of 0.07 to 0.61 weight %.

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7. (New) The machining device according to claim 5, wherein the water-soluble substance comprises

a surface active agent (organic amine salt, boric acid amine salt, organic amine, organic amanoide type rust preventives), which also acts as a rust preventive,  
non-ferrous metal anticorrosive (triasol type compound),  
antiseptic agent (xylenol type compound), and  
water.